

SEQ ID NO 12070

LENGTH: 552

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

OTHER INFORMATION: MAP TO AC008812.4

OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.88

OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.87

OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.1

OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.3

OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.8

OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.88

US-09-864-761-12070

Query Match 12.8%; Score 159; DB 10; Length 552;

Best Local Similarity 82.1%; Pred. No. 6.5e-38;

Matches 183; Conservative 0; Mismatches 40; Indels 0; Gaps 0;

Qy 707 CTGAATCTCAAAATTTTGAAGAATCTTTTGTCCCAACCCACACACCCCAAGAAATAATA 766

Db 186 CTGAGCTCTAAAATCTGAAGAATCTGTTGTCCCAACCCACACAGCTTCAATTGAAATAAAA 245

Qy 767 AACAGGAGGAGGAGTGAATAATGGCGCTCTACCAACCCCTCCAGTAGCAGAAACACCTG 826

Db 246 AACAGGAGGAGGAGTGAATAATGGCGCTCTACCAACCCCTCCAGTTGCAGAAACATCTG 305

Qy 827 TACCATCTCCTTCAGTACAGAAATAGAGACCCCACTGCAAGAATTCGGCGACTGCTA 886

Db 306 TGGCGCTCCTTCAGTACAGAAATAGAGACCCCACTGCAAGAATTTTACGCTCTGCTG 365

Qy 887 CCATAGCTGGAGAGCCCTTAGGACATTCGACATTTTCATTTTC 929

Db 366 CCATAGCTGGAGAGCCCTTAGGACATTTTCATTTTC 408

RESULT 4

US-09-764-864-1602

Sequence 1602, Application US/09764864

Patent No. US20020132753A1

GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

FILE REFERENCE: PT23

CURRENT APPLICATION NUMBER: US/09/764,864

CURRENT FILING DATE: 2001-01-17

Prior application data removed - consult PALM or file wrapper

NUMBER OF SEQ ID NOS: 1792

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 1602

LENGTH: 4977

TYPE: DNA

ORGANISM: Homo sapiens

US-09-764-864-1602

Query Match 12.4%; Score 154.2; DB 10; Length 4977;

Best Local Similarity 80.7%; Pred. No. 7.4e-36;

Matches 180; Conservative 0; Mismatches 43; Indels 0; Gaps 0;

Qy 707 CTGAATCTCAAAATTTTGAAGAATCTTTTGTCCCAACCCACACACCCCAAGAAATAATA 766

Db 565 CTGAATCTCAAAATCTGAAGAATTTGTTGACCCACCCACAGCTCCAATTAAATAAAA 624

Qy 767 AACAGGAGGAGGAGTGAATAATGGCGCTCTACCAACCCCTCCAGTAGCAGAAACACCTG 826

Db 625 AACAGGAGGAGGAGTGAATAATGGCGCTCTACCAACCCCTCCAGTTGCAGAAACATCTG 684

Qy 827 TACCATCTCCTTCAGTACAGAAATAGAGACCCCACTGCAAGAATTTCCGCGACTGCTA 886

Db 685 TACTCCTCCTTCAGTACAGAAATAGAGACCCCACTGCAAGAATTTTAAATGCTCTGCTG 744

Qy 887 CCATAGCTGGAGAGCCCTTAGGACATTCGACATTTTCATTTTC 929

Db 745 CCATAGCTGGAGAGCCCTTAGGACATTTTCATTTTC 977

RESULT 5

US-09-764-877-2173/c

Sequence 2173, Application US/09764877

Patent No. US20020147140A1

GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

FILE REFERENCE: PC005

CURRENT APPLICATION NUMBER: US/09/764,877

CURRENT FILING DATE: 2001-01-17

Prior application data removed - refer to PALM or file wrapper

NUMBER OF SEQ ID NOS: 4031

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 2173

LENGTH: 526

TYPE: DNA

ORGANISM: Homo sapiens

US-09-764-877-2173

Query Match 8.2%; Score 102.4; DB 10; Length 526;

Best Local Similarity 84.6%; Pred. No. 6.7e-21;

Matches 115; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

Qy 707 CTGAATCTCAAAATTTTGAAGAATCTTTTGTCCCAACCCACACACCCCAAGAAATAATA 766

Db 136 CTGAGCTCTAAAATCTGAAGAATCTGTTGTCCCAACCCACAGATCCAATTGAAACAAA 77

Qy 767 AACAGGAGGAGGAGTGAATAATGGCGCTCTACCAACCCCTCCAGTAGCAGAAACACCTG 826

Db 76 AACAGGAGGAGGAGTGAATAATGGTTTACCACCCCTCCAGTTGCAGCAACATCTG 17

Qy 827 TACCATCTCCTTCAGT 842

Db 16 TACCACCTCCTTCAGT 1

RESULT 6

US-09-764-877-2172/c

Sequence 2172, Application US/09764877

Patent No. US20020147140A1

GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

FILE REFERENCE: PC005

CURRENT APPLICATION NUMBER: US/09/764,877

CURRENT FILING DATE: 2001-01-17

Prior application data removed - refer to PALM or file wrapper

NUMBER OF SEQ ID NOS: 4031

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 2172

LENGTH: 527

TYPE: DNA

ORGANISM: Homo sapiens

US-09-764-877-2172

Query Match 7.2%; Score 89.8; DB 10; Length 527;

Best Local Similarity 83.2%; Pred. No. 4.1e-17;

Matches 114; Conservative 0; Mismatches 22; Indels 1; Gaps 1;

Qy 707 CTGAATCTCAAAATTTTGAAGAATCTTTTGTCCCAACCCACACCCCAAGAAATAATA 765

Db 137 CTGAGCTCTAAAATCTGAAGAATCTGTTGTCCCAACCCACAGATCCAATTGAAACAAA 78

Qy 766 AACAGGAGGAGGAGTGAATAATGGCGCTCTACCAACCCCTCCAGTAGCAGAAACACCT 825

Db 77 AACAGGAGGAGGAGTGAATAATGGTTTACCACCCCTCCAGTTGCAGCAACATCT 18

Qy 826 GTACCATCTCCTTCAGT 842

Db 17 GTACCACCTCCTTCAGT 1

RESULT 7

US-09-764-877-2174/c
; Sequence 2174, Application US/09764877
; Patent No. US20020147140A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC005
; CURRENT APPLICATION NUMBER: US/09/764,877
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 4031
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2174
; LENGTH: 527
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-877-2174

Query Match 7.2%; Score 89.8; DB 10; Length 527;
Best Local Similarity 83.2%; Pred. No. 4.1e-17;
Matches 114; Conservative 0; Mismatches 22; Indels 1; Gaps 1;

QY 707 CTGAATCTCAAAATTTGAAGAATCTTTTGT-CCACACCACACACCCCAAGAAAATAAT 765
Db 137 CTGAGTCTAAATCTGAAGAATCTGTGTCTCCCCCACAGATCCAATTGAAAAACAAA 78
QY 766 AACAGGAGGAGGAGATCAAAATGGCGTCTACCAACCCCTCCAGTAGCAGAAACACCT 825
Db 77 AACAGGAGGAGGAGATCAAAATGGTTTATACCAACCCCTCCAGTAGCAGCAACATCT 18
QY 826 GTACCATCTCCTTCAGT 842
Db 17 GTACCATCTCCTTCAGT 1

RESULT 8

US-09-736-457-221
; Sequence 221, Application US/09736457
; Patent No. US20020168637A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; APPLICANT: Wang, Aijun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C15
; CURRENT APPLICATION NUMBER: US/09/736,457
; CURRENT FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 1864
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 221
; LENGTH: 759
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(759)
; OTHER INFORMATION: n = A,T,C or G
US-09-736-457-221

Query Match 4.8%; Score 60; DB 9; Length 759;
Best Local Similarity 100.0%; Pred. No. 4.8e-08;
Matches 60; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 979 CTGCTGCTCCGGAGGTGGAGTGGCTGGCAGAGGGCACATGGCTGCCACCTGCTGCAAG 1038
Db 6 CTGCTGCTCCGGAGGTGGAGTGGCTGGCAGAGGGCACATGGCTGCCACCTGCTGCAAG 65

RESULT 9

US-09-902-941-221
; Sequence 221, Application US/09902941
; Patent No. US20020172952A1
; GENERAL INFORMATION:
; APPLICANT: Henderson, Robert A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Johnson, Jeffrey C.
; APPLICANT: Retter, Marc W.
; APPLICANT: Marnerakis, Margarita
; APPLICANT: Carter, Darrick
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: McNabb, Andria
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C17
; CURRENT APPLICATION NUMBER: US/09/902,941
; CURRENT FILING DATE: 2001-07-10
; NUMBER OF SEQ ID NOS: 2002
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 221
; LENGTH: 759
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 245
; OTHER INFORMATION: n = A,T,C or G
US-09-902-941-221

Query Match 4.8%; Score 60; DB 9; Length 759;
Best Local Similarity 100.0%; Pred. No. 4.8e-08;
Matches 60; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 979 CTGCTGCTCCGGAGGTGGAGTGGCTGGCAGAGGGCACATGGCTGCCACCTGCTGCAAG 1038
Db 6 CTGCTGCTCCGGAGGTGGAGTGGCTGGCAGAGGGCACATGGCTGCCACCTGCTGCAAG 65

RESULT 10

US-09-864-761-12266
; Sequence 12266, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FO
; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
; FILE REFERENCE: Aeomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00662
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 09/608,408
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: US 09/774,203
PRIOR FILING DATE: 2001-01-29
NUMBER OF SEQ ID NOS: 49117
SOFTWARE: Annonax Sequence Listing Engine vers. 1.1
SEQ ID NO 12266
LENGTH: 514
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: MAP TO AC024736.2
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.78
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.93
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.83
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.73
US-09-864-761-12266

Query Match 4.18; Score 51.2; DB 10; Length 514;
Best Local Similarity 62.5; Pred. No. 1.7e-05;
Matches 80; Conservative 0; Mismatches 48; Indels 0; Gaps 0;

Qy 711 ATCTCAAAATTTGAAGAATCTTTGTCCACCCACACACCCCAAGAAATAATAAACA 770
||||| ||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 277 ATCTTTTGTATTAGATTTTGTCCACCTACATGCTATCGAAATGGTGAACA 336
||||| ||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 771 GGAGAGGAGGATGAATAATGGCGTCTACACCCCTCCAGTAGCAGAAACACCTGTACC 830
| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 337 GAAGAGGAGAGTGAATAATGGCTGTATCGTCTCTCTTTTGTGGCTACAGAAAGGCTAAC 396
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

Qy 831 ATCTCCTT 838
| ||||
Db 397 TTAGCTT 404

RESULT 11
US-08-825-486-3
Sequence 3, Application US/08825486
Patent No. US20020016303A1
GENERAL INFORMATION:

APPLICANT: Falb, Dean
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
TITLE OF INVENTION: THE TREATMENT AND DIAGNOSIS OF
TITLE OF INVENTION: CARDIOVASCULAR DISEASE
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: PENNIE & EDMONDS LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10036-2711

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/825.486
FILING DATE: 28-MAR-1997
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/799,910
FILING DATE: 13-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7853-077-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)7909090
TELEFAX: (212)8699741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 3103 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: Coding Sequence
LOCATION: 288...1565
OTHER INFORMATION:
US-08-825-486-3

Query Match 3.38; Score 40.6; DB 8; Length 3103;
Best Local Similarity 73.8; Pred. No. 0.081;
Matches 79; Conservative 0; Mismatches 24; Indels 4; Gaps 2;

Qy 933 GGCATTGCTACATTCTGTCTCAACAACACGGA---AGCGGACGCTGGAGCTGCTGCTCGG 989
||||| ||| ||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 566 GCGCTCAGGACTCGGTGCTCAAGAACTGAAGAGGCGGACGCTGCTGCTCA 625
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 990 GGAGTGGAGTGGCTGGCAGAGGACATGGC-TGCCACCTGCTGC 1035
|| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 626 GGCCTGTGAGTCCCGCGGCGGACCGCACCGCTGCTGCTGC 672
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

RESULT 12
US-08-870-434-2
Sequence 2, Application US/08870434
Patent No. US20020034736A1
GENERAL INFORMATION:
APPLICANT: Falb, Dean
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: TREATMENT AND DIAGNOSIS OF CARDIOVASCULAR DISEASE
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10036/2711

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/870,434
FILING DATE: 06-JUN-1997
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/799,910

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; FILING DATE: 13-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7853-084
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-790-9090
; TELEFAX: 212-869-8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 2:
; LENGTH: 3103 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
US-08-870-434-2
Query Match 3.3%; Score 40.6; DB 8; Length 3103;
Best Local Similarity 73.8%; Pred. No. 0.081;
Matches 79; Conservative 0; Mismatches 24; Indels 4; Gaps 2;
QY 933 GCATTCGTACATTCGTCTCAACAAACGGA---AGCGGCAGCTGGAGCTGCTGCTCGG 989
DB 566 GCGCTCAGCAGCTCGGTGCTCAAGAACTGAAGGAGCGGCAGCTGCTGCTCCA 625
QY 990 GGAGTGGAGTGGCTCGGTCGAGGAGGCACATGGC-TGCCACCTGCTGC 1035
DB 626 GCGCTGGAGTCCCGCGGGGACCGCACCGCTGCTGCTGC 672
RESULT 13
US-09-372-044-3
; Sequence 3, Application US/09372044A
; Patent No. US20020102603A1
; GENERAL INFORMATION:
; APPLICANT: Dean FALB et al.
; TITLE OF INVENTION: Compositions and Methods for the
; TITLE OF INVENTION: Treatment and Diagnosis of Cardiovascular Disease
; FILE REFERENCE: 7853-152
; CURRENT APPLICATION NUMBER: US/09/372,044A
; CURRENT FILING DATE: 1999-08-11
; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 3103
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (288)...(1565)
US-09-372-044-3
Query Match 3.3%; Score 40.6; DB 10; Length 3103;
Best Local Similarity 73.8%; Pred. No. 0.081;
Matches 79; Conservative 0; Mismatches 24; Indels 4; Gaps 2;
QY 933 GCATTCGTACATTCGTCTCAACAAACGGA---AGCGGCAGCTGGAGCTGCTGCTCGG 989
DB 566 GCGCTCAGCAGCTCGGTGCTCAAGAACTGAAGGAGCGGCAGCTGCTGCTCCA 625
QY 990 GGAGTGGAGTGGCTCGGTCGAGGAGGCACATGGC-TGCCACCTGCTGC 1035
DB 626 GCGCTGGAGTCCCGCGGGGACCGCACCGCTGCTGCTGC 672
RESULT 14
US-09-924-417-66
; Sequence 66, Application US/09924417
; Patent No. US2002014241A1
; GENERAL INFORMATION:
; APPLICANT: Falb, Dean
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
```

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; THE TREATMENT AND DIAGNOSIS OF CARDIOVASCULAR
; DISEASE
; NUMBER OF SEQUENCES: 67
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/924,417
; FILING DATE: 07-Aug-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/034,286
; FILING DATE: 04-MAR-1998
; APPLICATION NUMBER: 08/870,434
; FILING DATE: 06-JUN-1997
; APPLICATION NUMBER: 08/799,910
; FILING DATE: 13-FEB-1997
; APPLICATION NUMBER: 60/011,787
; FILING DATE: 16-FEB-1996
; APPLICATION NUMBER: 08/599,654
; FILING DATE: 09-FEB-1996
; APPLICATION NUMBER: 08/485,573
; FILING DATE: 07-JUN-1995
; APPLICATION NUMBER: 08/386,844
; FILING DATE: 10-FEB-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7853-114-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)7909090
; TELEFAX: (212)8699741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 66:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3103 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: Other
; LOCATION: 288...1565
; OTHER INFORMATION: Coding Sequence
; SEQUENCE DESCRIPTION: SEQ ID NO: 66:
US-09-924-417-66
Query Match 3.3%; Score 40.6; DB 10; Length 3103;
Best Local Similarity 73.8%; Pred. No. 0.081;
Matches 79; Conservative 0; Mismatches 24; Indels 4; Gaps 2;
QY 933 GCATTCGTACATTCGTCTCAACAAACGGA---AGCGGCAGCTGGAGCTGCTGCTCGG 989
DB 566 GCGCTCAGCAGCTCGGTGCTCAAGAACTGAAGGAGCGGCAGCTGCTGCTCCA 625
QY 990 GGAGTGGAGTGGCTCGGTCGAGGAGGCACATGGC-TGCCACCTGCTGC 1035
DB 626 GCGCTGGAGTCCCGCGGGGACCGCACCGCTGCTGCTGC 672
RESULT 15
US-09-954-456-1877
; Sequence 1877, Application US/09954456
; Patent No. US20020115057A1
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Job time : 111.245 secs

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OM nucleic - nucleic search, using sw model

Run on: December 24, 2002, 21:54:28 ; Search time 32.3252 Seconds
(without alignments)
12277.043 Million cell updates/sec

Title: US-09-708-724A-3_COPY_1_1000

Perfect score: 1000

Sequence: 1 agccagactaggatgagcc.....cacacatagatgcagagga 1000

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 356696 seqs, 198428768 residues

Total number of hits satisfying chosen parameters: 713392

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Published Applications_NA:

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- 3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq.*
- 4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq.*
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- 11: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq.*
- 12: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq.*
- 13: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq.*
- 14: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	32.6	3.3	4047	10	US-09-752-639-1
C 2	32.6	3.3	4047	10	US-09-752-639-147
C 3	32.6	3.3	4047	10	US-09-984-198-1
C 4	32.6	3.3	4047	10	US-09-984-198-147
C 5	32.4	3.2	289	10	US-09-974-300-1251
C 6	32.4	3.2	14849	10	US-09-873-403-1
C 7	32.2	3.2	367	10	US-09-764-864-677
C 8	32	3.2	342	10	US-09-783-590-6406
C 9	31.8	3.2	15425	10	US-09-764-869-1654
C 10	31.8	3.2	25950	10	US-09-764-870-597
C 11	31.6	3.2	798	10	US-09-910-943-592
C 12	31.6	3.2	2952	10	US-09-764-847-1330
C 13	31.6	3.2	7755	10	US-09-764-847-1331
C 14	31.4	3.1	372	10	US-09-998-598-164
C 15	31.4	3.1	471	10	US-09-764-847-197
C 16	31.4	3.1	3103	8	US-08-825-486-3
C 17	31.4	3.1	3103	8	US-08-870-434-2
C 18	31.4	3.1	3103	10	US-09-372-044-3
C 19	31.4	3.1	3103	10	US-09-924-417-66

C 20	31.4	3.1	3111	10	US-09-954-456-1877
C 21	31	3.1	168	10	US-09-864-761-18076
C 22	31	3.1	476	10	US-09-864-761-2793
C 23	31	3.1	10476	10	US-09-964-824A-98
C 24	31	3.1	10476	10	US-09-964-824A-552
C 25	30.8	3.1	341	10	US-09-815-343-609
C 26	30.8	3.1	373	9	US-10-046-935-807
C 27	30.8	3.1	373	9	US-09-878-178-807
C 28	30.8	3.1	373	10	US-09-815-343-1532
C 29	30.8	3.1	373	10	US-09-815-343-1533
C 30	30.8	3.1	373	10	US-09-815-343-1534
C 31	30.8	3.1	373	10	US-09-920-300A-980
C 32	30.8	3.1	373	10	US-09-920-300A-1203
C 33	30.8	3.1	373	12	US-10-033-528-980
C 34	30.8	3.1	373	12	US-10-033-528-1203
C 35	30.8	3.1	374	10	US-09-920-300A-308
C 36	30.8	3.1	374	10	US-09-920-300A-1474
C 37	30.8	3.1	374	12	US-10-033-528-308
C 38	30.8	3.1	374	12	US-10-033-528-1474
C 39	30.8	3.1	473	10	US-09-815-343-1074
C 40	30.8	3.1	604	9	US-10-025-380-9
C 41	30.8	3.1	604	10	US-09-922-217-9
C 42	30.8	3.1	604	10	US-09-833-263-9
C 43	30.8	3.1	2116	9	US-09-942-429A-4
C 44	30.8	3.1	2691	9	US-10-025-380-121
C 45	30.8	3.1	2691	10	US-09-922-217-121

ALIGNMENTS

RESULT 1

US-09-752-639-1/c

; Sequence 1, Application US/09752639

; Patent No. US20020091243A1

; GENERAL INFORMATION:

; APPLICANT: Gatanaga, T.

; APPLICANT: Granger, G.A.

; TITLE OF INVENTION: Factors Altering Tumor Necrosis

; TITLE OF INVENTION: Factor Receptor Releasing Enzyme Activity, and Methods

; TITLE OF INVENTION: of Use Thereof

; NUMBER OF SEQUENCES: 154

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: MORRISON & FOERSTER

; STREET: 755 PAGE MILL ROAD

; CITY: Palo Alto

; STATE: CA

; COUNTRY: USA

; ZIP: 94304-1018

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: Windows

; SOFTWARE: FASTSEQ for Windows Version 2.0b

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09752,639

; FILING DATE:

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: PCT/US99/10793

; FILING DATE:

; APPLICATION NUMBER: 09/081,385

; FILING DATE:

; APPLICATION NUMBER: 08/964,747

; FILING DATE: 05-NOV-1997

; APPLICATION NUMBER: 60/030,761

; FILING DATE: 06-NOV-1996

; ATTORNEY/AGENT INFORMATION:

; NAME: Wu, Frank

; REGISTRATION NUMBER: 41,386

; REFERENCE/DOCKET NUMBER: 22000-20577.21

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 650-813-5600

; TELEFAX: 650-494-0792
; TELEX: 706141
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4047 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: Genomic DNA
; US-09-752-639-1

Query Match 3.3%; Score 32.6; DB 10; Length 4047;
Best Local Similarity 49.7%; Pred. No. 11;
Matches 83; Conservative 0; Mismatches 84; Indels 0; Gaps 0;
QY 418 CACAATGGGAAAACCTGGGTCCTGGAGACTCAGAAACCACTGTGCAGGCTCGAGTCTTCC 477
DB 1269 CACCCGGGGGGCCCTGGGTCGGGGGGGATCAGCTTTCCCTGGGCACATCTGCCTCATTTCC 1210
QY 478 CCTGCTCTGGCTTAACAGGCGCATGGAATCAGAGAGAAAAGTCATCTTCCACCTCTCTGAAGG 537
DB 1209 AGATCTCCAGGGCTCATGCTCTGTGACAGGGAGGAGGCTCTGCCTTGGCCTTCGCTCAG 1150
QY 538 CTGCCAGCGTCAGGCTGTGGCACACTGAGGCTGACAGGGGCGCTTCTG 584
DB 1149 CTCTGCCAGTGCAGGCTGGGCACCTGGGCTTTAGAGCTGGCTTCTG 1103

RESULT 2

US-09-752-639-147
; Sequence 147, Application US/09752639
; Patent No. US20020091243A1
; GENERAL INFORMATION:
; APPLICANT: Gatanaga, T.
; APPLICANT: Granger, G.A.
; TITLE OF INVENTION: Factors Altering Tumor Necrosis
; TITLE OF INVENTION: Factor Receptor Releasing Enzyme Activity, and Methods
; TITLE OF INVENTION: of Use Thereof
; NUMBER OF SEQUENCES: 154
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 755 PAGE MILL ROAD
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304-1018
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows
; SOFTWARE: FastSEQ for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/752,639
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US99/10793
; FILING DATE:
; APPLICATION NUMBER: 09/081,385
; FILING DATE:
; APPLICATION NUMBER: 08/964,747
; FILING DATE: 05-NOV-1997
; APPLICATION NUMBER: 60/030,761
; FILING DATE: 06-NOV-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Wu, Frank
; REGISTRATION NUMBER: 41,386
; REFERENCE/DOCKET NUMBER: 22000-20577.21
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-813-5600
; TELEFAX: 650-494-0792
; TELEX: 706141
; INFORMATION FOR SEQ ID NO: 147:

; SEQUENCE CHARACTERISTICS:
; LENGTH: 4047 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: Genomic DNA
; FEATURE:
; NAME/KEY: Coding Sequence
; LOCATION: 378...1799
; OTHER INFORMATION:
; US-09-752-639-147

Query Match 3.3%; Score 32.6; DB 10; Length 4047;
Best Local Similarity 49.7%; Pred. No. 11;
Matches 83; Conservative 0; Mismatches 84; Indels 0; Gaps 0;
QY 418 CACAATGGGAAAACCTGGGTCCTGGAGACTCAGAAACCACTGTGCAGGCTCGAGTCTTCC 477
DB 2779 CACCCGGGGGGCCCTGGGTCGGGGGGGATCAGCTTTCCCTGGGCACATCTGCCTCATTTCC 2838
QY 478 CCTGCTCTGGCTTAACAGGCGCATGGAATCAGAGAGAAAAGTCATCTTCCACCTCTCTGAAGG 537
DB 2839 AGATCTCCAGGGCTCATGCTCTGTGACAGGGAGGAGGCTCTGCCTTGGCCTTCGCTCAG 2898
QY 538 CTGCCAGCGTCAGGCTGTGGCACACTGAGGCTGACAGGGGCGCTTCTG 584
DB 2899 CTCTGCCAGTGCAGGCTGGGCACCTGGGCTTTAGAGCTGGCTTCTG 2945

RESULT 3

US-09-984-198-1/c
; Sequence 1, Application US/09984198
; Patent No. US20020106679A1
; GENERAL INFORMATION:
; APPLICANT: Gatanaga, T.
; APPLICANT: Granger, G.A.
; TITLE OF INVENTION: Factors Altering Tumor Necrosis
; TITLE OF INVENTION: Factor Receptor Releasing Enzyme Activity, and Methods
; TITLE OF INVENTION: of Use Thereof
; NUMBER OF SEQUENCES: 154
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 755 PAGE MILL ROAD
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304-1018
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows
; SOFTWARE: FastSEQ for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/984,198
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US99/10793
; FILING DATE:
; APPLICATION NUMBER: 09/081,385
; FILING DATE:
; APPLICATION NUMBER: 08/964,747
; FILING DATE: 05-NOV-1997
; APPLICATION NUMBER: 60/030,761
; FILING DATE: 06-NOV-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Wu, Frank
; REGISTRATION NUMBER: 41,386
; REFERENCE/DOCKET NUMBER: 22000-20577.21
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-813-5600
; TELEFAX: 650-494-0792
; TELEX: 706141

; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4047 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: Genomic DNA
US-09-984-198-1

Query Match
Best Local Similarity 3.3%; Score 32.6; DB 10; Length 4047;
Matches 83; Conservative 0; Mismatches 84; Indels 0; Gaps 0;

Qy 418 CACAATGGGAAACACTGGCTCTGGAGACTCAGAAACCACTGTGCAGGCTCGAGTCTTCC 477
Db 1269 CACCGGGGGGCCCTGGCTGGGGGGGATCAGCTTCCCTGGGCACATCTGCCTCATTTCC 1210

Qy 478 CCTGTCTCTGGCTAAGAGGCGATGGAATCAGAGAGAAAAGTCACTTCCACCTCTCGAAGG 537
Db 1209 AGATCTCCAGGCTCATCTGTGTGACAGGGAGGAAAGCTCTGCCCTTCCGCTCAG 1150

Qy 538 CTGCCAGCGTCAGGCTTGGCACACTGAGGCTGACAGGGGCTTCTG 584
Db 1149 CTCTCCAGTCAGGCTGGGAGGCTGGGCTTTAGAGCTGGCTTCTG 1103

RESULT 4
US-09-984-198-147
; Sequence 147, Application US/09984198
; Patent No. US20020106679A1
; GENERAL INFORMATION:
; APPLICANT: Gatanaga, T.
; APPLICANT: Granger, G.A.
; TITLE OF INVENTION: Factors Altering Tumor Necrosis
; TITLE OF INVENTION: Factor Receptor Releasing Enzyme Activity, and Methods
; TITLE OF INVENTION: of Use Thereof
; NUMBER OF SEQUENCES: 154
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 755 PAGE MILL ROAD
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304-1018
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows
; SOFTWARE: FastSeq for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/984,198
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US99/10793
; FILING DATE:
; APPLICATION NUMBER: 09/081,385
; FILING DATE:
; APPLICATION NUMBER: 08/964,747
; FILING DATE: 05-NOV-1997
; APPLICATION NUMBER: 60/030,761
; FILING DATE: 06-NOV-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Wu, Frank
; REGISTRATION NUMBER: 41,386
; REFERENCE/DOCKET NUMBER: 22000-20577.21
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-813-5600
; TELEFAX: 650-494-0792
; TELEX: 706141
; INFORMATION FOR SEQ ID NO: 147:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4047 base pairs

; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: Genomic DNA
; FEATURE:
; NAME/KEY: Coding Sequence
; LOCATION: 378...1799
; OTHER INFORMATION:
US-09-984-198-147

Query Match
Best Local Similarity 3.3%; Score 32.6; DB 10; Length 4047;
Matches 83; Conservative 0; Mismatches 84; Indels 0; Gaps 0;

Qy 418 CACAATGGGAAACACTGGCTCTGGAGACTCAGAAACCACTGTGCAGGCTCGAGTCTTCC 477
Db 2779 CACCGGGGGGCCCTGGCTGGGGGGGATCAGCTTCCCTGGGCACATCTGCCTCATTTCC 2838

Qy 478 CCTGTCTCTGGCTAAGAGGCGATGGAATCAGAGAGAAAAGTCACTTCCACCTCTCGAAGG 537
Db 2839 AGATCTCCAGGCTCATCTGTGTGACAGGGAGGAAAGCTCTGCCCTTCCGCTCAG 2898

Qy 538 CTGCCAGCGTCAGGCTTGGCACACTGAGGCTGACAGGGGCTTCTG 584
Db 2899 CTCTCCAGTCAGGCTGGGAGGCTGGGCTTTAGAGCTGGCTTCTG 2945

RESULT 5
US-09-974-300-1251
; Sequence 1251, Application US/09974300
; Patent No. US20020146721A1
; GENERAL INFORMATION:
; APPLICANT: Berk, Randy M.
; APPLICANT: Clausen, Ib Groth
; TITLE OF INVENTION: Methods For Monitoring Multiple Gene
; TITLE OF INVENTION: Expression
; FILE REFERENCE: 10085.500-US
; CURRENT APPLICATION NUMBER: US/09/974,300
; CURRENT FILING DATE: 2001-10-05
; PRIOR APPLICATION NUMBER: 09/680,598
; PRIOR FILING DATE: 2000-10-06
; PRIOR APPLICATION NUMBER: 60/279,526
; PRIOR FILING DATE: 2001-03-27
; NUMBER OF SEQ ID NOS: 8481
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1251
; LENGTH: 289
; TYPE: DNA
; ORGANISM: Bacillus licheniformis
US-09-974-300-1251

Query Match
Best Local Similarity 3.2%; Score 32.4; DB 10; Length 289;
Matches 39; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

Qy 745 GCACAATTTTCACCTTCGACAGCCAGCTGCAGGAGTGGATATAAGAGAGAGT 794
Db 101 GCATTATTTTCATTTCGACAAGAGCTGAAGAGTGCATACAGAGAATGTT 150

RESULT 6
US-09-873-403-1/c
; Sequence 1, Application US/09873403
; Patent No. US2002028207A1
; GENERAL INFORMATION:
; APPLICANT: Srivastava, Pramod K
; TITLE OF INVENTION: COMPLEXES OF ALPHA (2) MACROGLOBULIN AND ANTIGENIC
; TITLE OF INVENTION: MOLECULES FOR IMMUNOTHERAPY
; FILE REFERENCE: 8449-178
; CURRENT APPLICATION NUMBER: US/09/873,403
; CURRENT FILING DATE: 2001-06-04
; PRIOR APPLICATION NUMBER: 09/625,139
; PRIOR FILING DATE: 2000-07-25

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; PRIOR APPLICATION NUMBER: 60/209,266
; PRIOR FILING DATE: 2000-06-02
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 14849
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-873-403-1

Query Match          3.2%; Score 32.4; DB 10; Length 14849;
Best Local Similarity 50.6%; Pred. No. 27;
Matches 78; Conservative 0; Mismatches 76; Indels 0; Gaps 0;

QY 537 GCTGCCAGCGTCAGGGCTTGGCACACTGAGGCTGACAGGGGCTTCTGAAGGCCAGAGGA 596
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 2967 GGTGACACCACTGTGTCCACACCTGTCTCGGCACAGGCACACTGGCGGCTCCCGGG 2908
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

QY 597 GATGCCCGGGACATAAGCGTGAAGCAACCTGTCTGTAGCCAAAGATCTGTTTGTCTCCTC 656
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 2907 GGTGGCAGGCACAGGCTGCTGCAGCCTCCGTTATTACCCGGCATTTGTTGGTACCCAC 2848
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

QY 657 CTGAATCTTAGTGGCTTCTTAAGCGGGGTGGA 690
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 2847 TTGCTGCTGCTGCGCTGTACATTCGGATCTCA 2814
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

RESULT 7
US-09-764-864-677/c
; Sequence 677, Application US/09764864
; Patent No. US20020132753A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT223
; CURRENT APPLICATION NUMBER: US/09/764,864
; PRIOR FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1792
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 677
; LENGTH: 367
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (336)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (343)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-764-864-677

Query Match          3.2%; Score 32.2; DB 10; Length 367;
Best Local Similarity 50.4%; Pred. No. 3.6;
Matches 64; Conservative 5; Mismatches 58; Indels 0; Gaps 0;

QY 224 CCTGGTGACCCCTGGCAGGGCGGTATCATGCGGATCGGTCCATGGCTTGCCCTCCAA 283
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 205 CCTGGTGGTCTTGGGATGCACCCGCGGAGGGCGGGCGGCAAGRCCTTGGCCACAC 146
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

QY 284 GCAGCACCACGACCAATCCCATGCCCAACCAATGCTAAATGTTTGTGGTGGCCCTTTTC 343
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 145 TGGTCACAGCAAGAGCGGGCGGACCTGTAATGYMCCACCTGKTGCTCTTTGAGGCTCGC 86
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

QY 344 TCGAAGC 350
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 85 TKGSTGC 79
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

RESULT 8
US-09-783-590-6406
; Sequence 6406, Application US/09783590
; Patent No. US20020110850A1
; GENERAL INFORMATION:
; APPLICANT: Dillon, Patrick J.
; APPLICANT: Haseltine, William A.
; APPLICANT: Li, Haodong
; APPLICANT: Rosen, Craig A.
; APPLICANT: Ruben, Steven M.
; TITLE OF INVENTION: Human Genes, Sequences, and Expression Products 16.2
; FILE REFERENCE: PO-16.2C1
; CURRENT APPLICATION NUMBER: US/09/783,590
; CURRENT FILING DATE: 2000-02-15
; PRIOR APPLICATION NUMBER: 08/420,856
; PRIOR FILING DATE: 1995-04-12
; PRIOR APPLICATION NUMBER: 08/346,731
; PRIOR FILING DATE: 1994-11-21
; NUMBER OF SEQ ID NOS: 12485
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6406
; LENGTH: 342
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (65)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (210)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (220)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (238)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (276)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (280)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (287)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (288)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (293)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (308)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (342)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-783-590-6406

Query Match          3.2%; Score 32; DB 10; Length 342;
Best Local Similarity 46.2%; Pred. No. 3.9;
Matches 98; Conservative 0; Mismatches 114; Indels 0; Gaps 0;

QY 5 AGACTAGGAGTGAGCCAGAAGAGGGAGGATGGTGGAGGCACAGGCTGCACCTCTACTGG 64
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 61 AGCCNTGATGTCCAGGACAGCTTGACCGCTGGGGTGGGTCCCTTCCACTGTCCCGG 120
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

QY 65 TGCCCCAGACCCAGACTGCATGCCCGCCAGCTGCAGTCCAAAGGATCTCGTGGCGGTGCC 124
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 121 CTGGGGCGCTGCTGTGGGCTGCCCTTGCCACCATCTCCTCTTTGGCCACAGTCAA 180
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

QY 125 TGTCCCCCATAGCATCTTAGATCAGCTGCTGAGGCTGGAGCTTCTTCATTCCTTTGAGCA 184
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 181 GTACGACCTTAAACACCCGGACAGCAGCNCAAGCTGGGNCCTTCTCAACACCTGGNCA 240
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
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.....

Db 2781 CTCCTCCTTGGAAAGGGTTTATCCAACTCTCAGCTGCCCTTAGGCCCTCTGATGACGACA 2722
Qy 397 TCTGGCCATCCTCCTGTGTCAAC 418
Db 2721 TCAGCCCTTCGGAGTTCTCACC 2700

RESULT 13
US-09-764-847-1331/c
; Sequence 1331, Application US/09764847
; Patent No. US20020132767A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC009
; CURRENT APPLICATION NUMBER: US/09/764,847
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 2003
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1331
; LENGTH: 7755
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-847-1331

Query Match 3.2%; Score 31.6; DB 10; Length 7755;
Best Local Similarity 51.4%; Pred. No. 33;
Matches 73; Conservative 0; Mismatches 69; Indels 0; Gaps 0;

Qy 277 CTTCCAAGCAGCACCAGCAATCCCATGCCCAATGCACATAAATGTTGTGGTGGGC 336
Db 7644 CTTGCCACCTTCCCAATCAAGCCTAATGCGCTTGCTGAACTGGGTACTCAGC 7585

Qy 337 CTCCTTCTGGAGCTCAGCTTCTCCTCTGTTTGGCCTCCATCTTCCCAACAGTACT 396
Db 7584 CTCCTCCTTGGAAAGGGTTTATCCAACTCTCAGCTGCCCTTAGGCCCTCTGATGACGACA 7525

Qy 397 TCTGGCCATCCTCCTGTGTCAAC 418
Db 7524 TCAGCCCTTCGGAGTTCTCACC 7503

RESULT 14
US-09-998-598-164
; Sequence 164, Application US/09998598
; Patent No. US20020150922A1
; GENERAL INFORMATION:
; APPLICANT: Stolk, John A.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Chenault, Ruth A.
; APPLICANT: Meagher, Madelein Joy
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF COLON CANCER
; FILE REFERENCE: 210121.561
; CURRENT APPLICATION NUMBER: US/09/998,598
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 2606
; SOFTWARE: Corixa Invention Disclosure Database
; SEQ ID NO 164
; LENGTH: 372
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 163, 315, 369
; OTHER INFORMATION: n = A,T,C or G
US-09-998-598-164

Query Match 3.1%; Score 31.4; DB 10; Length 372;
Best Local Similarity 51.4%; Pred. No. 6.4;
Matches 71; Conservative 0; Mismatches 67; Indels 0; Gaps 0;

Qy 442 AGACTCAGAAACCACTGTGAGGCGCTCAGTCTTCCCTGTCCCTGCTAAGAGGCGATGG 501
Db 222 AGTGCACAGACCTCTGGGAAGCCCTGAAAACGCTGATGCTTGTTTGAAGATCTCAAGC 281

Qy 502 AATCAGAGAGAAAAGTATCTTCCACCTCCTGAAGGCTGCCAGCGTCAGGGCTTGGCACA 561
Db 282 GCAGAGTCTCAAGTTTCATCCCTCTTTCCTGTGANGTCTGTTGGCTGGAGGCTGCAGACA 341

Qy 562 CTGAGGCTGACAGGGGCG 579
Db 342 TTGGTGATGACATGGACC 359

RESULT 15
US-09-764-847-197/c
; Sequence 197, Application US/09764847
; Patent No. US20020132767A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC009
; CURRENT APPLICATION NUMBER: US/09/764,847
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 2003
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 197
; LENGTH: 471
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-847-197

Query Match 3.1%; Score 31.4; DB 10; Length 471;
Best Local Similarity 51.0%; Pred. No. 7.3;
Matches 74; Conservative 0; Mismatches 71; Indels 0; Gaps 0;

Qy 277 CCTCCAAGCAGCACCAGCAATCCCATGCCCAATGCACATAAATGTTGTGGTGGGC 336
Db 360 CTTGCCACCTTCCCAATCAAGCCTAATGCGCTTGCTGAACTGGGTACTCAGC 301

Qy 337 CTCCTTCTGGAGCTCAGCTTCTCCTCTGTTTGGCCTCCATCTTCCCAACAGTACT 396
Db 300 CTCCTCCTTGGAAACGKTTTATCCAACTCTCAGCTGCCCTTWGGCCTCTGATGACGACA 241

Qy 397 TCTGGCCATCCTCCTGTGTCAACCA 421
Db 240 TCAGCCCTTCGGAGTTCTCACTGCA 216

Search completed: December 25, 2002, 01:11:06
Job time : 85.3252 secs

GenCore version 5.1.3
Copyright (c) 1993 - 2002 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: December 24, 2002, 21:54:28 ; Search time 32.3575 Seconds
(without alignments)
12277.043 Million cell updates/sec

Title: US-09-708-724A-3_COPY_50000_51000

Perfect score: 1001

Sequence: 1 agcaactgtaagtctgggc.....ggccctgctgcatgtgacc 1001

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 356696 seqs, 198428768 residues

Total number of hits satisfying chosen parameters: 713392

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published_Applications_NA:*

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- 2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:*
- 3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*
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- 5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:*
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- 7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq:*
- 8: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*
- 9: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:*
- 10: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*
- 11: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
- 12: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq:*
- 13: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
- 14: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
C 1	85.2	8.5	403	10	US-09-864-761-15584
2	58.6	5.9	684973	10	Sequence 15584, A
3	42.2	4.2	143068	10	Sequence 1, Appli
4	41.2	4.1	390	10	Sequence 316, App
C 5	40.6	4.1	143068	10	Sequence 7792, Ap
C 6	37	3.7	152	10	Sequence 316, App
7	36.6	3.7	2417	9	Sequence 32094, A
8	36.6	3.7	2417	9	Sequence 334, App
9	36.6	3.7	2417	10	Sequence 334, App
10	36.6	3.7	2417	10	Sequence 334, App
11	36.6	3.7	2417	10	Sequence 334, App
12	36.6	3.7	2417	10	Sequence 334, App
13	36.6	3.7	3674	10	Sequence 698, App
14	36.6	3.7	3674	10	Sequence 698, App
15	36.6	3.7	3674	10	Sequence 698, App
C 16	36.6	3.7	35100	10	Sequence 698, App
C 17	34.2	3.4	1503841	9	Sequence 26, Appli
C 18	34.2	3.4	1503841	10	Sequence 1, Appli
C 19	34.2	3.4	1503841	10	Sequence 1, Appli

ALIGNMENTS

RESULT 1

US-09-864-761-15584/C
; Sequence 15584, Application US/09864761
; Patent NO. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FO
; FILE REFERENCE: Aecomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30

Sequence 3, Appli
Sequence 1, Appli
Sequence 5178, Ap
Sequence 3463, Ap
Sequence 12466, A
Sequence 3, Appli
Sequence 3870, Ap
Sequence 24, Appli
Sequence 3769, Ap
Sequence 88, Appli
Sequence 5, Appli
Sequence 20939, A
Sequence 1306, Ap
Sequence 1307, Ap
Sequence 3468, Ap
Sequence 144, App
Sequence 26, Appli
Sequence 570, App
Sequence 266, App
Sequence 321, App
Sequence 517, App
Sequence 221, App
Sequence 1710, Ap
Sequence 370, App
Sequence 1281, Ap

20 33.8 3.4 2709 9 US-09-922-199A-3
21 33.8 3.4 3691 9 US-09-922-199A-1
C 22 33.2 3.3 453 10 US-09-864-761-5178
C 23 32.6 3.3 38374 10 US-09-880-107-3463
C 24 32.2 3.2 369 10 US-09-960-352-12466
C 25 32.2 3.2 1101 10 US-09-771-161A-3
26 31.6 3.2 3651 9 US-09-880-107-3870
27 31.4 3.1 512 9 US-09-736-457-24
28 31.2 3.1 512 9 US-09-902-941-24
29 31.2 3.1 1772 9 US-09-938-842A-3769
C 30 31.2 3.1 2200 10 US-09-728-952-88
31 31 3.1 279 9 US-10-158-735-5
32 31 3.1 313 10 US-09-864-761-20939
C 33 31 3.1 8472 9 US-09-764-868-1306
C 34 31 3.1 8472 9 US-09-764-868-1307
C 35 31 3.1 16337 10 US-09-764-877-3468
36 30.8 3.1 1030 10 US-09-850-351A-144
37 30.8 3.1 1278 10 US-09-850-351A-26
C 38 30.8 3.1 1287 10 US-09-887-576-570
C 39 30.8 3.1 2004 10 US-09-887-576-266
C 40 30.8 3.1 2006 10 US-09-887-576-321
C 41 30.8 3.1 2006 10 US-09-887-576-517
42 30.8 3.1 3477 10 US-09-969-347-221
43 30.6 3.1 199 10 US-09-867-701-1710
44 30.6 3.1 201 10 US-09-833-381-370
C 45 30.6 3.1 265 10 US-09-923-876-1281

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; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annonax Sequence Listing Engine vers. 1.1
; SEQ ID NO 15584
; LENGTH: 403
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AP000547.1
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.5
US-09-864-761-15584

Query Match      8.5%; Score 85.2; DB 10; Length 403;
Best Local Similarity 61.1%; Pred. No. 1.4e-16;
Matches 138; Conservative 0; Mismatches 88; Indels 0; Gaps 0;

Qy 771 TCAAGTCCCTTCAGCAAAATGCAACTACTTCAGTGACAGACAGATAATATCATCTTCTGAC 830
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 389 TCAAAGTAAGCAAGGAGGTCCGCTGCTCCAGTTGGCTGCAATAATATCAACCTTGAGCC 330
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 831 AGAGGAGGAATTTGGGTTTGGTCCAGTCCATGAAGTGGCCACAGTCAGATAAAAGGTG 890
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 329 CAAGCAGACATTTGGGTCTGGTCTGGTGGGACCATGAGCGGCTCGGTGAGACTGAGAGTA 270
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 891 AGAGCTTAGGAGATTAGCGGAGGTAGAGAACACTCTGTCTGTGACCAGCTTCAGAGA 950
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 269 AGGCAGGCGCAGGAATTTGGATAGTAGGATTGAATCTCCCTCGGGGGCCAGCCTCAGAAA 210
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 951 GCCTGGGGCCATGCTTCTCGTCAACATTAGGCCCTCTCATGG 996
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 209 GCCTGTGCCCATGGCTCTTGGCCCAACATCATGCTCTGTGCTGG 164
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

RESULT 2
US-09-263-959-1
; Sequence 1, Application US/09263959
; Patent No. US20020150891A1
; GENERAL INFORMATION:
; APPLICANT: Hood, Leroy E.
; APPLICANT: Rowen, Lee
; APPLICANT: Koop, Ben F.
; TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
; NUMBER OF SEQUENCES: 1279
; CORRESPONDENCE ADDRESS:
; ADDRESS: Seed and Berry LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: US
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/263,959
; FILING DATE: 05-MAR-1999
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: McMasters, David D.
; REGISTRATION NUMBER: 33,963
; REFERENCE/DOCKET NUMBER: 920010.426C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
```

```
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 684973 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-263-959-1

Query Match      5.9%; Score 58.6; DB 10; Length 684973;
Best Local Similarity 64.1%; Pred. No. 2.1e-06;
Matches 139; Conservative 0; Mismatches 69; Indels 9; Gaps 3;

Qy 1 AGCAACCTGTAAAGTTCGGGCTGCAATCATAGATAGTAAAGTTCATATGGGCAG 60
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Db 43125 AGCATCTGAAATATTGAGCTGCAACATAGTAAAGTTCATATGGGCAG- 43183
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 61 GGATGGCTGCAGCTTCATGGATAGAAATGTCCAGCTT--GGGCTAGATACATCCAACATG 118
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 43184 -GATGCCCTGCAGCTACACCAANAGAAAGGTGTACTCTGGGGGCCAGGCATGTCCACCATA 43242
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 119 GGGGTCCA-----CTCCTCTTTGTAGCACACGACCCACCATAGGAAAGAGATGAAGCAACTTG 173
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 43243 GAAGCTTCATCTCCCTTTTGTAGCACATGTACAGTAAGAAAGAAATGGCAACATG 43302
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 174 GAGTAGTCAAAAGTCACGGAGCCTCAGTGCCCTTC 210
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 43303 GTGCAGCTCAGGCCAGAGGGAGTAGTATTGTCTCTC 43339
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

RESULT 3
US-09-967-768A-316
; Sequence 316, Application US/09967768A
; Patent No. US20020150877A1
; GENERAL INFORMATION:
; APPLICANT: Augustus, Meena
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Sign
; FILE REFERENCE: 689290-72
; CURRENT APPLICATION NUMBER: US/09/967,768A
; CURRENT FILING DATE: 2001-09-28
; PRIOR APPLICATION NUMBER: US/60/236,109
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US/60/236,034
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US/60/236,111
; PRIOR FILING DATE: 2000-09-28
; NUMBER OF SEQ ID NOS: 325
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 316
; LENGTH: 143068
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-967-768A-316

Query Match      4.2%; Score 42.2; DB 10; Length 143068;
Best Local Similarity 58.3%; Pred. No. 0.1;
Matches 74; Conservative 0; Mismatches 53; Indels 0; Gaps 0;

Qy 1 AGCAACCTGTAAAGTTCGGGCTGCAATCATAGATAGTAAAGTTCATATGGGCAG 60
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Db 70614 AGAAGCCTGTAAATTTGAGCTGCAGACATAGATAGCAAGCTTGGACGGGTGA 70673
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 61 GGATGGCTGCAGCTTCATGGATAGAAATGTCCAGCTTGGGCTAGATACATCCAACATGGG 120
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 70674 ATGCCGCGAGCTGTGCCAATAGGAAAGGCTATCTGGGGCCAGGCATGTTTCAACATGGA 70733
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 121 GGCTCCA 127
      |||||
Db 70734 TTCTCCA 70740
      |||||

RESULT 4
US-09-783-590-7792/c
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US-09-967-768A-316/c
: Sequence 316, Application US/09967768A
: Patent No. US20020150877A1
: GENERAL INFORMATION:
: APPLICANT: Augustus, Meena
: TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Sign
: TITLE OF INVENTION: Sets
: FILE REFERENCE: 689290-72
: CURRENT APPLICATION NUMBER: US/09/967,768A
: CURRENT FILING DATE: 2001-09-28
: PRIOR APPLICATION NUMBER: US/60/236,109
: PRIOR FILING DATE: 2000-09-28
: PRIOR APPLICATION NUMBER: US/60/236,034
: PRIOR FILING DATE: 2000-09-28
: PRIOR APPLICATION NUMBER: US/60/236,111
: PRIOR FILING DATE: 2000-09-28
: NUMBER OF SEQ ID NOS: 325
: SOFTWARE: PatentIn version 3.0
: SEQ ID NO 316
: LENGTH: 143068
: TYPE: DNA
: ORGANISM: Homo sapiens
US-09-967-768A-316

Query Match 4.1%; Score 40.6; DB 10; Length 143068;
Best Local Similarity 57.5%; Pred. No. 0.31;
Matches 73; Conservative 0; Mismatches 54; Indels 0; Gaps 0;

Qy 1 AGCAACCTGTAAGCTTCGGGTGCATCATAGATAAGTAAGATGGAAGCTTGTATGGGCAG 60
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 73059 AGCAACCTGTAATAATTGGCTGCGACATAGATAAGCAATCTGGAAGCTTGCAAAGACTGA 73000

Qy 61 GGATGGCTGTCAGCTTCATGGATAGAATGTCCAGCTTGGCGTAGATACATCCAACATGGG 120
||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 72999 ATGGCGGACAGCTGTGCCAATAGGAAGAACTATCTGGGGCCAGGCATGTTCAACATGGA 72940

Qy 121 GGCTCCA 127
||| ||
Db 72939 TTCITCA 72933

RESULT 6
US-09-864-761-32094/c
: Sequence 32094, Application US/09864761
: Patent No. US20020048763A1
: GENERAL INFORMATION:
: APPLICANT: Penn, Sharron G.
: APPLICANT: Rank, David R.
: APPLICANT: Hanzel, David K.
: APPLICANT: Chen, Wensheng
: TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FO
: TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
: FILE REFERENCE: Aeomica-X-1
: CURRENT APPLICATION NUMBER: US/09/864,761
: CURRENT FILING DATE: 2001-05-23
: PRIOR APPLICATION NUMBER: US 60/180,312
: PRIOR FILING DATE: 2000-02-04
: PRIOR APPLICATION NUMBER: US 60/207,456
: PRIOR FILING DATE: 2000-05-26
: PRIOR APPLICATION NUMBER: US 09/632,366
: PRIOR FILING DATE: 2000-08-03
: PRIOR APPLICATION NUMBER: GB 24263.6
: PRIOR FILING DATE: 2000-10-04
: PRIOR APPLICATION NUMBER: US 60/236,359
: PRIOR FILING DATE: 2000-09-27
: PRIOR APPLICATION NUMBER: PCT/US01/00666
: PRIOR FILING DATE: 2001-01-30
: PRIOR APPLICATION NUMBER: PCT/US01/00667
: PRIOR FILING DATE: 2001-01-30
: PRIOR APPLICATION NUMBER: PCT/US01/00664
: PRIOR FILING DATE: 2001-01-30
: PRIOR APPLICATION NUMBER: PCT/US01/00669
: PRIOR FILING DATE: 2001-01-30

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; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 32094
; LENGTH: 152
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AP000547.1
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.5
; OTHER INFORMATION: EST HUMAN HIT: BE766554.1, EVALUE 5.10e-01
; OTHER INFORMATION: NT HIT: U19251.1, EVALUE 3.50e-01
; OTHER INFORMATION: SWISSPROT HIT: Q03385, EVALUE 9.00e-06
US-09-864-761-32094

Query Match          3.7%; Score 37; DB 10; Length 152;
Best Local Similarity 57.3%; Pred. No. 0.072;
Matches 67; Conservative 0; Mismatches 50; Indels 0; Gaps 0;

Qy 771 TCAAGTCCTTCAGGAATGCAACTACTTCAGTGACAAGAGATAATATCATCTCTTGAC 830
Db 117 TCAAGTAAGCAAGAGGTCGCTCCAGTTCGCTCAAAATAATTACAACCTTGAGCC 58

Qy 831 AGAGAGGAATTTGGGTTTGGTCCAGTCATCAAGTGGCACAGTCAGATAAAAG 887
Db 57 CAAGAGCACTTGGGTCCTGGTTGGGACCATGAAGCGGCTCGGTGAGACTGAGAG 1

RESULT 7
US-09-232-880-334
; Sequence 334, Application US/09232880
; Publication No. US20020182596A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNODIAGNOSIS OF
; TITLE OF INVENTION: PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.428C6
; CURRENT APPLICATION NUMBER: US/09/232.880
; CURRENT FILING DATE: 1999-01-15
; NUMBER OF SEQ ID NOS: 338
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 334
; LENGTH: 2417
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-232-880-334

Query Match          3.7%; Score 36.6; DB 9; Length 2417;
Best Local Similarity 58.9%; Pred. No. 0.49;
Matches 63; Conservative 0; Mismatches 44; Indels 0; Gaps 0;

Qy 783 AGGAATCCAACTACTTCAGTGACAAGAGATAATATCATCTTCGACAGGAGGAATT 842
Db 2054 AGGAGACCCAGCTGCTCAGGTGGCTGCAAAATCATTTACAGCCTTCATCTCTGGGAGAACT 2113

Qy 843 TGGGGTTTGGTCCAGTCCATCAAGTGGCACAGTCAGATAAAAGGT 889
Db 2114 GGGGGCCTGTTCTCGGTCCAGAGAGCAGCCCGAGGTGAGAGCT 2160

RESULT 8
US-10-012-896-334
; Sequence 334, Application US/10012896
; Publication No. US20020183251A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Meagher, Madeleine Joy
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C27
; CURRENT APPLICATION NUMBER: US/10/012.896
; CURRENT FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 1011
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 334
; LENGTH: 2417
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-012-896-334

Query Match          3.7%; Score 36.6; DB 9; Length 2417;
Best Local Similarity 58.9%; Pred. No. 0.49;
Matches 63; Conservative 0; Mismatches 44; Indels 0; Gaps 0;

Qy 783 AGGAATCCAACTACTTCAGTGACAAGAGATAATATCATCTTCGACAGGAGGAATT 842
Db 2054 AGGAGACCCAGCTGCTCAGGTGGCTGCAAAATCATTTACAGCCTTCATCTCTGGGAGAACT 2113

Qy 843 TGGGGTTTGGTCCAGTCCATCAAGTGGCACAGTCAGATAAAAGGT 889
Db 2114 GGGGGCCTGTTCTCGGTCCAGAGAGCAGCCCGAGGTGAGAGCT 2160

RESULT 9
US-09-759-143-334
; Sequence 334, Application US/09759143
; Patent No. US2002002248A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
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; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 32094
; LENGTH: 152
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AP000547.1
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.5
; OTHER INFORMATION: EST HUMAN HIT: BE766554.1, EVALUE 5.10e-01
; OTHER INFORMATION: NT HIT: U19251.1, EVALUE 3.50e-01
; OTHER INFORMATION: SWISSPROT HIT: Q03385, EVALUE 9.00e-06
US-09-864-761-32094

Query Match          3.7%; Score 37; DB 10; Length 152;
Best Local Similarity 57.3%; Pred. No. 0.072;
Matches 67; Conservative 0; Mismatches 50; Indels 0; Gaps 0;

Qy 771 TCAAGTCCTTCAGGAATGCAACTACTTCAGTGACAAGAGATAATATCATCTCTTGAC 830
Db 117 TCAAGTAAGCAAGAGGTCGCTCCAGTTCGCTCAAAATAATTACAACCTTGAGCC 58

Qy 831 AGAGAGGAATTTGGGTTTGGTCCAGTCATCAAGTGGCACAGTCAGATAAAAG 887
Db 57 CAAGAGCACTTGGGTCCTGGTTGGGACCATGAAGCGGCTCGGTGAGACTGAGAG 1

RESULT 7
US-09-232-880-334
; Sequence 334, Application US/09232880
; Publication No. US20020182596A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNODIAGNOSIS OF
; TITLE OF INVENTION: PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.428C6
; CURRENT APPLICATION NUMBER: US/09/232.880
; CURRENT FILING DATE: 1999-01-15
; NUMBER OF SEQ ID NOS: 338
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 334
; LENGTH: 2417
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-232-880-334

Query Match          3.7%; Score 36.6; DB 9; Length 2417;
Best Local Similarity 58.9%; Pred. No. 0.49;
Matches 63; Conservative 0; Mismatches 44; Indels 0; Gaps 0;

Qy 783 AGGAATCCAACTACTTCAGTGACAAGAGATAATATCATCTTCGACAGGAGGAATT 842
Db 2054 AGGAGACCCAGCTGCTCAGGTGGCTGCAAAATCATTTACAGCCTTCATCTCTGGGAGAACT 2113
```

```
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; CURRENT FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 334
; LENGTH: 2417
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-759-143-334

Query Match      3.7%; Score 36.6; DB 10; Length 2417;
Best Local Similarity 58.9%; Pred. No. 0.49;
Matches 63; Conservative 0; Mismatches 44; Indels 0; Gaps 0;

QY 783 AGGAATGCAACTACTCTCAGTGACAAGAGATAATATCATCTTCTGCAGAGAGGAATT 842
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 2054 AGGAGACCCAGCTGCTCAGGTGGCTGCAAAATCATTACAGCCTTCATCTCTGGGAGAACT 2113

QY 843 TGGGTTTGGTCCAGTCCATGAAGTGGCAGACAGTCAAGTCAAGTCAAGTCAAGTCAAGT 889
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 2114 GGGGCCCTGGTCTCTGGGTGACAGAGACGCCAGTCCAGGTGAGAGCT 2160

RESULT 10
US-09-780-669-334
; Sequence 334, Application US/09780669
; Patent No. US2002005197A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C24
; CURRENT APPLICATION NUMBER: US/09/780,669
; CURRENT FILING DATE: 2001-02-09
; NUMBER OF SEQ ID NOS: 943
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 334
; LENGTH: 2417
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-780-669-334

Query Match      3.7%; Score 36.6; DB 10; Length 2417;
Best Local Similarity 58.9%; Pred. No. 0.49;
Matches 63; Conservative 0; Mismatches 44; Indels 0; Gaps 0;

QY 783 AGGAATGCAACTACTCTCAGTGACAAGAGATAATATCATCTTCTGCAGAGAGGAATT 842
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 2054 AGGAGACCCAGCTGCTCAGGTGGCTGCAAAATCATTACAGCCTTCATCTCTGGGAGAACT 2113

QY 843 TGGGTTTGGTCCAGTCCATGAAGTGGCAGACAGTCAAGTCAAGTCAAGTCAAGTCAAGT 889
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 2114 GGGGCCCTGGTCTCTGGGTGACAGAGACGCCAGTCCAGGTGAGAGCT 2160

RESULT 11
US-09-822-827-334
; Sequence 334, Application US/09822827
; Patent No. US20020081680A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.534C1
; CURRENT APPLICATION NUMBER: US/09/822,827
; CURRENT FILING DATE: 2001-03-28
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 334
; LENGTH: 2417
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-822-827-334

Query Match      3.7%; Score 36.6; DB 10; Length 2417;
Best Local Similarity 58.9%; Pred. No. 0.49;
Matches 63; Conservative 0; Mismatches 44; Indels 0; Gaps 0;

QY 783 AGGAATGCAACTACTCTCAGTGACAAGAGATAATATCATCTTCTGCAGAGAGGAATT 842
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 2054 AGGAGACCCAGCTGCTCAGGTGGCTGCAAAATCATTACAGCCTTCATCTCTGGGAGAACT 2113

QY 843 TGGGTTTGGTCCAGTCCATGAAGTGGCAGACAGTCAAGTCAAGTCAAGTCAAGTCAAGT 889
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 2114 GGGGCCCTGGTCTCTGGGTGACAGAGACGCCAGTCCAGGTGAGAGCT 2160

RESULT 12
US-10-012-896-698
; Sequence 698, Application US/10012896
; Publication No. US20020183251A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
```

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; APPLICANT: Wantanabe, Yoshihiro
; APPLICANT: Meagher, Madeleine Joy
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C27
; CURRENT APPLICATION NUMBER: US/10/012.896
; CURRENT FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 1011
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 698
; LENGTH: 3674
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-012.896-698

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	Query Match	3.7%	Score 36.6;	DB 9;	Length 3674;
	Best Local Similarity	58.9%	Pred. No. 0.63;		
	Matches 63;	Conservative	0;	Mismatches 44;	Indels 0; Gaps 0;
QY	783	AGGAAATGCACACTACTTCAGTGACAAGAGATAATATATCATCTTCAGACAGAGGAGGAATT	842		
Db	3293	AGGAGACCCAGCTGCTCAGGTGGCTGCAAAATCATATAGACCTTCATCTGGGGGAGAACT	3352		
QY	843	TGGGGTTCCTGCCAGTCCCATGAAGTGCACAGTCAGAAATAAAAAGT	889		
Db	3353	GGGGCCCTGGTTTCGGTGCAGAGAGCACGCCACAGTCAGGGTCAGAGCT	3399		

RESULT 13
US-09-759-143-698
; Sequence 698, Application US/09759143
; Patent No. US2002002248A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.
 ; APPLICANT: Jiang, Yuqui
 ; APPLICANT: Henderson, Robert A.
 ; APPLICANT: Kalos, Michael D.
 ; APPLICANT: Fanger, Gary R.
 ; APPLICANT: Retter, Marc W.
 ; APPLICANT: Stolk, John A.
 ; APPLICANT: Day, Craig H.
 ; APPLICANT: Vedvick, Thomas S.
 ; APPLICANT: Carter, Darrick
 ; APPLICANT: Li, Samuel

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, TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
, TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
, FILE OF INVENTION: 210121.427C23
, FILE REFERENCE: 210121.427C23
, CURRENT APPLICATION NUMBER: US/09/759,143
, CURRENT FILING DATE: 2001-01-12
, NUMBER OF SEQ ID NOS: 934
, SOFTWARE: FastSeq for Windows Version 3.0
, SEQ ID NO 698
, LENGTH: 3674

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US-09-759-143-698
ORGANISM: Homo sapien

	Query Match	3.7%	Score 36.6;	DB 10;	Length 3674;
	Best Local Similarity	58.9%	Pred. No. 0.63;		
	Matches 63;	Conservative 0;	Mismatches 44;	Indels 0;	Gaps 0;
QY	783	AGGAAATGCACTACTTCAGTGACAAGAGATAAATATCATCTTCGACAGAGGAGGAATT	842		
Db	3293	AGGAGACCCAGCTGCTCAGGTGGCTGCAAAATCATATACAGCTTCATCTCTGGGAGGAACT	3352		
QY	843	TGGGGTTTGGTCCCGATGTCATGAATGGCACAGTCAGAAATAAAGGT	889		

Db 3353 GGGGGCCCTGGTTCCTGGGTCAGAGAGCAGCCAGTCAGGCGTCAGAGCT 3399

RESULT 14
US-09-780-669-698
; Sequence 698, Application US/097806569
; Patent No. US20020051977A1

RESULT 14

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US-09-780-669-698
; Sequence 698, Application US/09780669
; Patent No. US20020051977A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedrick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS OF PREPARATION
; TITLE OF INVENTION: COMPOSITIONS OF PREPARATION
; FILE REFERENCE: 210121.427C24
; CURRENT APPLICATION NUMBER: US/09/778
; CURRENT FILING DATE: 2001-02-09
; NUMBER OF SEQ ID NOS: 943
; SOFTWARE: FastSeq for Windows Version 1.0
; SEQ ID NO 698
; LENGTH: 3674
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-780-669-698

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Query Match	3.7%	Score 36.6;	DB 10;	Length 3674;
Best Local Similarity	58.9%	Pred. No. 0.63;		
Matches 63: Conservative	0:	Mismatches 44:	Indels 0:	Gaps 0:

Qy	783	AGGAAATGCAACTACTTCAGTGACAAGAGATAATATCATCTTCTGACAGAGGAGGAATT	842
Dp	3293	AGSAGACCCAGCTGCTCAGGTGGTGC AATCATTACAGCTTCACTCTGGGAGGAACT	3352

QY	843	TGGGGTTTGGTCCCAGTCCATGAAGTGGCACAGTCAGATAAAGCT	889
pb	3353	GGGGGCGTGGTCTCGGGTCACACAGCAGCCCACTGAGGGTGACAGCT	3399

RESULT 15

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RES001 13
US-09-822-827-698
Sequence 698, Application US/09822827
Patent No. US20020081680A1
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.534C1
CURRENT APPLICATION NUMBER: US/09/822.827
CURRENT FILING DATE: 2001-03-28
NUMBER OF SEQ ID NOS: 982
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 698
LENGTH: 3674
TYPE: DNA
ORGANISM: Homo sapien
US-09-822-827-698

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Ov 843 TGGGGTTTGGTCCCAGTCCATGAAGTGGCACAGTCAGAAATAAAAGGT 889

Query Match 3.7%; Score 36.6; DB 10; Length 3674;
Best Local Similarity 58.9%; Pred. No. 0.63;
Matches 63; Conservative 0; Mismatches 44; Indels 0; Gaps 0;
Qy 783 AGGAATGCCAACTACTTCAGTGACAAGAGATAATTATCATCTTCTGACAGAGGAGGAATT 842
Db 3293 AGGAGACCCAGCTGCTCAGGTGGCTGCCAAATCATTTACAGCCTTCATCTGGGGAGGAAC 3352
Qy 843 TGGGGTTTGGTCCCGATGCAAGTGGCACAGTCAGAATAAAAGT 889
Db 3353 GGGGGCCTGGTTCGTGGTCAGAGAGACCCAGTCAGGGTGAGAGCT 3399

Search completed: December 25, 2002, 01:50:07
Job time : 366.357 secs

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GenCore version 5.1.3
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OM nucleic - nucleic search, using sw model

Run on: December 24, 2002, 21:54:28 ; Search time 32.3575 Seconds
(without alignments)
12277.043 Million cell updates/sec

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Perfect score: 1001
Sequence: 1 ggagatggataaacctgtg.....ccaattcaggagtctatgtg 1001

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 356696 seqs, 198428768 residues
Total number of hits satisfying chosen parameters: 713392

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published_Applications_NA:*

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- 2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:*
- 3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*
- 4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:*
- 5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:*
- 6: /cgn2_6/ptodata/1/pubpna/PCTUS_PUBCOMB.seq:*
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- 8: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*
- 9: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:*
- 10: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*
- 11: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
- 12: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq:*
- 13: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
- 14: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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4	124.4	12.4	572	10	US-09-864-761-12906
5	103.2	10.3	465	10	US-09-864-761-5325
6	100.6	10.0	143086	10	US-09-967-768A-316
7	91.6	9.2	174	10	US-09-864-761-22099
8	70.8	7.1	525	10	US-09-777-564-1267
9	69.6	7.0	458	10	US-09-777-564-734
10	67.8	6.8	547	10	US-09-777-564-1266
11	67	6.7	238	10	US-09-783-590-4293
12	47.4	4.7	337	10	US-09-563-817-60
13	42.4	4.2	810	10	US-09-908-711-60
14	41.4	4.1	569	10	US-09-864-761-12956
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16	37	3.7	447	10	US-09-864-761-4701
17	37	3.7	963	8	US-08-914-350-1
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c	22	33	3.3	2430	10	US-09-737-178-3	Sequence 3, Appli
c	23	33	3.3	2430	10	US-09-737-178-40	Sequence 40, Appli
c	24	32.6	3.3	972	9	US-09-938-842A-271	Sequence 271, App
c	25	32.6	3.3	1166	10	US-09-770-445-60	Sequence 60, Appli
c	26	32.4	3.2	9464	10	US-09-738-847-1	Sequence 1, Appli
c	27	32.2	3.2	334	10	US-09-864-761-25121	Sequence 25121, A
c	28	32.2	3.2	592	10	US-09-864-761-8391	Sequence 8391, Ap
c	29	32.2	3.2	2421	10	US-09-925-301-316	Sequence 316, App
c	30	32	3.2	4340	10	US-09-880-107-2232	Sequence 2232, Ap
c	31	31.4	3.1	1653	10	US-09-897-214-9	Sequence 9, Appli
c	32	31.2	3.1	2940	9	US-09-884-001-3	Sequence 3, Appli
c	33	30.8	3.1	527	10	US-09-864-761-7934	Sequence 7934, Ap
c	34	30.8	3.1	3330	10	US-09-917-800A-1495	Sequence 1495, Ap
c	35	30.6	3.1	459	9	US-09-938-842A-3007	Sequence 3007, Ap
c	36	30.4	3.0	343	10	US-09-867-701-1843	Sequence 1843, Ap
c	37	30.4	3.0	586	12	US-10-002-600-116	Sequence 116, App
c	38	30.4	3.0	2174	10	US-09-925-300-616	Sequence 616, App
c	39	30.4	3.0	21222	10	US-09-734-676-3	Sequence 3, Appli
c	40	30.4	3.0	99014	10	US-09-880-107-3428	Sequence 3428, Ap
c	41	30.2	3.0	1713	10	US-09-887-576-809	Sequence 809, App
c	42	30.2	3.0	12718	10	US-09-764-869-1369	Sequence 1369, Ap
c	43	30.2	3.0	368004	10	US-09-949-654-3	Sequence 3, Appli
c	44	30	3.0	1728	9	US-09-938-842A-2675	Sequence 2675, Ap
c	45	30	3.0	3610	10	US-09-880-107-2406	Sequence 2406, Ap

ALIGNMENTS

RESULT 1
US-09-764-864-1602
; Sequence 1602, Application US/09764864
; Patent No. US20020132753A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PTZ23
; CURRENT APPLICATION NUMBER: US/09/764,864
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1792
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1602
; LENGTH: 4977
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-864-1602

Query Match 58.4%; Score 584.6; DB 10; Length 4977;
Best Local Similarity 74.9%; Pred. No. 3.5e-174;
Matches 745; Conservative 0; Mismatches 249; Indels 1; Gaps 1;

Qy	7	GGATAAACCGTGTGAGTGCCCTCAAGTTGTGTGGACCATGGAATGGGAGACTGGAGGGA	66
Db	2587	GGACAAGCCATGTGGTGGCCCTCAAGTGCATGCGACCATGGAATGGGAGACTGGAGGA	2646
Qy	67	TACATGATCCCACTACAGCCCGCCAGCTCTCCAGTAGTAGCCCATGAGCCAGTGTGAATCT	126
Db	2647	CCCAGGTGGCCCAACCATGGCCCGCTCCCTCTAGAGCTATGAGTCAGCTAGCGCT	2706
Qy	127	GAATGTGAAGTGAATGAAGACCGACGAGTGCACACTGACGTCACACCTCATAAACATG	186
Db	2707	GAGTGCRAAGATGAGAGAGAGGCCCAACAGATCATGATGACATCAAGCCCATACCTG	2766
Qy	187	GGGTACAGTCAAGAAAACCAACAGAGCTGAGAAAATGGTGTAGTGCCAGGCTCAGGC	246
Db	2767	GGGACACTCAAGAAAACCAACAGAGAGCTGAGAAAATGGTGTAGTGCCAGGACAGGC	2826
Qy	247	AAAAACCCCTGACTCCATGTTTATGGCCATGCTAGCTGTAAATATCCTGTGCAGTATGAT	306
Db	2827	-AAAACCCCTGATTCATGCTCTTTGGCCATGTTAGCCCATATGCTCTGTGCACCTACGTTT	2885

Qy	307	TTTCTGTGCAAGACAAAAACATATTGGGCATATTTTCTTAACCCACCGGTAGTGTGATC	366
Db	2886	TCCTGTGCACAGGCAAAAAACATATTGGGCATATTGTCCCAATCCCCACGACGATGTGCC	2945
Qy	367	ATACTCTGAAGCAGCACTCCTCCTGAGATATATCATGATCAAGGAGCATCAGTACCAGGA	426
Db	2946	TATACTTTGGAGCTCACTCCTCCTGAGATTTATCAGTACAGGAGAGTGGGCTCCAGGA	3005
Qy	427	CCTCTAACTCCCCCTGACACAGACGAATTAGACTCTCTATAACAATGGTATCAATTATACC	486
Db	3006	CCCCTAATCCCCGTGCATAGAAAAGTTAGACTCTCAGACATGTCAATTAATTATACC	3065
Qy	487	ACTCCATTGGAGGACTTCCTTTATGTGTCAOCCAGGATACATTTGCTCAACTGCGAGTTGC	546
Db	3066	ACTCCACTGGAAGGACTCCGCTTTGTTATTATCACCACAAAGAGCTCGCTCAGCCATAGCTGT	3125
Qy	547	CTTGCCAGTTTGATCCCAAGCATGGTTGAGTTACCATAAAAAAATTATGTACTATTAGAC	606
Db	3126	CTTGCAATTCAGACTCAACATGGTTGAGTCACTAGTGAAGAAATATGTACTATTATAGT	3185
Qy	607	CTTAGCTTTTAAATATTACTTGCTGTAGTTACTAATCACTCCTCGCCCCCATCACCCAAAT	666
Db	3186	CTTGGTTCTATTAACTGACTGGTGTCTAACCAATCATTCGAGTCCAGTCCACCTTAAT	3245
Qy	667	TGTAAGTATTACAGAAATGGGCTCCCTTTGTGTAATTTCTACCCCCCTCTTGGGGCCAC	726
Db	3246	TGTGCTGATTATACAGAAATGGATTCCATTCAATAGTTTCTTACCCCACTCTGTGGACCCAG	3305
Qy	727	TGCTCTGGCCCTTTAGCTAGACAAATAGTCCATGTTTAATGGGAGACATTTATGTACTGGSGT	786
Db	3306	TGCTTGATCCACTGGCTAGTAAACAAATATATGTCACTGAAGACACTGTGGATTGGGAA	3365
Qy	787	CCCTGTGGTCAITTAAGATGGGAGATGAGAAATCAGACCATGGCATAGCAATTTCACTGG	846
Db	3366	CCTAAAGGTCAATTAGATGAAAAGGTGAAAGTCAGAAATCATGSCACAAATTTCACTGG	3425
Qy	847	CAGTGGTGGCGAAACTTTAACATCTTTCACITTCACACACTGGGATTCATCCCAATCT	906
Db	3426	CATTGGCGCAAGCTTTTAATGCTTCTTTATACACAGCAGCAATCCAAATCCCACTCT	3485
Qy	907	GCCATGCACCTTGCTTGGCATGAACGGGCTTTAGCCCACTTTTGCTCTCAATGGCAATTAT	966
Db	3486	GCTGCTCAGATTGCTTGGCATGGAGCAGGCTTTAGCCCACTCTTCTCAGTTCGATTAAT	3545
Qy	967	CAAGGAAAGAGAGGTCCAATTCAGGAGTCTATGTG	1001
Db	3546	CTGGGAGGAAAGGACCAATTCAGAAACTATATG	3580

```

RESULT 2
US-09-867-701-3384
; Sequence 3384, Application US/09867701
; Patent No. US2002013237A1
; GENERAL INFORMATION:
; APPLICANT: Agilate, Paul A.
; APPLICANT: Jones, Robert
; APPLICANT: Harlocker, Susan L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.497
; CURRENT APPLICATION NUMBER: US/09/867,701
; CURRENT FILING DATE: 2001-05-29
; NUMBER OF SEQ ID NOS: 10912
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3384
; LENGTH: 273
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(273)
; OTHER INFORMATION: n = A,T,C or G

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US-09-867-701-3384									
Query Match		16.5%	Score 164.8;	DB 10;	Length 273;				
Best Local Similarity		82.5%;	Pred. No. 2.9e-42;						
Matches	212;	Conservative	0;	Mismatches	43;	Indels	2;	Gaps	
Qy	254	CCTGACTCCATGTTTATGGCCATGCTAGCTGTATATATCCTGTGTCAGTATGATTTTCTGT	313						
Db	9	CCTGATTCCTAGTTCCTGGCCATGTTAGCCATAATATCCTGTGTCAGTATGTTTTTCTGT	68						
Qy	314	GCAGAAGCAAAACATATTTGGGCATATTTTCCTAACCCACGGTAGTGTGA-TCATACTC	372						
Db	69	GCAGAGGCCAAAACATATTTGGGCATATGTTNCCCAAGCCCCAGCAGTATGACCCATCTT	128						
Qy	373	TGAAGCAGCACTCCTCTGAGATATATCATGATCAAGGAGCATCAGTACCA-CGACCTCT	431						
Db	129	TGGAGTGACACTCCTCCTTAAGATTATATCATGATTAAAGGAGCATGGGCTCCAGGGACCCCT	188						
Qy	432	AACCTCCCTTGACACAGCAATTAGACTCTCTATAACAATGGTATCAATATATACCCTCC	491						
Db	189	AACCTCCACTGACATAGAACAGTTAGACTCTCAGAATAATGTCATTAAATATACCGTTCC	248						
Qy	492	ATTGGAGGGACTTCCTT	508						
Db	249	ATTGGAAGGACTTCCTT	265						
RESULT 3									
US-09-864-761-16458									
; Sequence 16458, Application US/09864761									
; Patent No. US20020048763A1									
; GENERAL INFORMATION:									
; APPLICANT: Penn, Sharon G.									
; APPLICANT: Rank, David R.									
; APPLICANT: Hanzel, David K.									
; APPLICANT: Chen, Wensheng									
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBE									
; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY									


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; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 12906
; LENGTH: 572
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC015772.5
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.97
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.8
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.93
; US-09-864-761-12906

Query Match 12.4%; Score 124.4; DB 10; Length 572;
Best Local Similarity 84.3%; Pred. No. 2.6e-29;
Matches 140; Conservative 0; Mismatches 26; Indels 0; Gaps

QY 1 GGAGATGGATAAACCGGTGTGAGTGGCCCTCAAGTTGTGTGCGACCATGGAAATGGAGACTG 60
Db 310 GGAGTGAACCTAACCGGTGTGGATGGCCCTCAAGATGTGTATGACCATGGAAATGGCAGACTG 369

QY 61 GAGGGATACATGATCCCACTACAGGCCACGCTCTCCAGTATGAGCCATGAGCCAGTT 120
Db 370 GAGGGACCATGATGATCCCACTACAGGCCGCGGTTCGCCCATGACGAGGCATGAGCCAGTT 429

QY 121 GAATCTCAATGTGAAGTGAATGAAGACCCGACGAGAGTCACACTG 166
Db 430 GAATCTCAATGCAAGATGGAATGAAGACCCGACGAGTCACCATG 475

RESULT 5
US-09-864-761-5325
; Sequence 5325, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES
; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
; FILE REFERENCE: Aeomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27

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RESULT 6
 US-09-967-768A-316
 ; Sequence 316, Application US/09967768A
 ; Patent No. US20020150877A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Augustus, Meana
 ; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu
 ; TITLE OF INVENTION: Sets
 ; FILE REFERENCE: 689290-72
 ; CURRENT APPLICATION NUMBER: US/09/967,768A
 ; CURRENT FILING DATE: 2001-09-28
 ; PRIOR APPLICATION NUMBER: US/60/236,109

;
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annonax Sequence Listing Engine vers. 1.1
; SEQ ID NO 22099
; LENGTH: 174
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC005154.1
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 5.1
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 4.3
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 6.1
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 5
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 4.3
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 5.4
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 5.3
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 4.6
; OTHER INFORMATION: SWISSPROT HIT: P40908, EVALUE 5.10e+00
; OTHER INFORMATION: NT HIT: g11545901, EVALUE 2.00e-06
; OTHER INFORMATION: EST_HUMAN HIT: AW964385.1, EVALUE 2.00e-93
US-09-864-761-22099

Query Match 9.28; Score 91.6; DB 10; Length 174;
Best Local Similarity 82.48; Pred. No. 3e-19;
Matches 117; Conservative 0; Mismatches 24; Indels 1; Gaps 1;
QY 19 TGAGTGCCTCAAGTGTGTGCGACCATGGAATGGGAGACTGGAGGAGATACATGATCCC 78
DB 1 TGGATGCCCTCAACAGCTGTAGACCATGGATGGGAGACTGGAGGACCCATGGATCCT 60
QY 79 AACTACAGGCGCCAGCTCCTCCAGTATGAGCCATGAGCCAGTGGATCTGAATGTGAAGAT 138
DB 61 AAGCA-TGGACTGGTTCCTCCAGTACGAGCCATGAGCCAGTGGATCTGAATGTGAAGAT 119
QY 139 GGAATGAAGACCGCAGAGATC 160
DB 120 GGAACGAGGACCGCAGGATC 141

RESULT 8
US-09-777-564-1267/c
; Sequence 1267, Application US/09777564
; Patent No. US20020022591A1
; GENERAL INFORMATION:
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.493
; CURRENT APPLICATION NUMBER: US/09/777,564
; CURRENT FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 1730
; SOFTWARE: FastSeq for Window Version 4.0
; SEQ ID NO 1267
; LENGTH: 525
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(525)
; OTHER INFORMATION: n = A,T,C or G
US-09-777-564-1267

Query Match 7.18; Score 70.8; DB 10; Length 525;
Best Local Similarity 73.68; Pred. No. 2.2e-12;
Matches 103; Conservative 0; Mismatches 34; Indels 3; Gaps 1;

QY 112 GAGCCAGTTGAATCTGAATGTGAAGATGGAATGAAGACCGGAGAGAGTCACTGACGTC 171
DB 447 GGCAGGTINTGAGCTGAGTGGCGAAGAGCGGAGAGAGCGGACACAGTCA---TGACATC 391
QY 172 AACCTCATATACATGGGTGAGATCAGAGAAAACACACACAGGAGGAGTGGTGTGTA 231
DB 390 AACCCCATTAACNTGGGACAACTCAAGAAAACACACACAGGAGGCTGAGAAACTACTGGA 331
QY 232 GTGCCAGGTGAGGCAAAA 251
DB 330 GCACGAGGACAGTCTGTAA 311
RESULT 9
US-09-777-564-734
; Sequence 734, Application US/09777564
; Patent No. US20020022591A1
; GENERAL INFORMATION:
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.493
; CURRENT APPLICATION NUMBER: US/09/777,564
; CURRENT FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 1730
; SOFTWARE: FastSeq for Window Version 4.0
; SEQ ID NO 734
; LENGTH: 458
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(458)
; OTHER INFORMATION: n = A,T,C or G
US-09-777-564-734

Query Match 7.08; Score 69.6; DB 10; Length 458;
Best Local Similarity 75.88; Pred. No. 4.8e-12;
Matches 100; Conservative 0; Mismatches 29; Indels 3; Gaps 1;
QY 120 TGAATCTGAATGTGAAGATGGAATGAAGACCGGAGAGTCACTGACGTCACACCTTCA 179
DB 2 TGAGCTGAGTGGCGAAGACGAGAGAGGCGGACACAGTCA--TGACATCAACCCCA 58
QY 180 TAACATGGGTGAGTCAAGTGAAGTGAAGACCGGAGAGTCACTGAGAACTGTTAGTGCACAGG 239
DB 59 TAACCTGGGACAACTCAAGAAAACACACAGAGGCTGAGAAACTACTGGAGCACCAGG 118
QY 240 GTCAGGCAAAA 251
DB 119 GACAGTCTGTAA 130

RESULT 10
US-09-777-564-1266/c
; Sequence 1266, Application US/09777564
; Patent No. US20020022591A1
; GENERAL INFORMATION:
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.493
; CURRENT APPLICATION NUMBER: US/09/777,564
; CURRENT FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 1730
; SOFTWARE: FastSeq for Window Version 4.0
; SEQ ID NO 1266
; LENGTH: 547
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:


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: PRIOR APPLICATION NUMBER: US 09/608,408
: PRIOR FILING DATE: 2000-06-30
: PRIOR APPLICATION NUMBER: US 09/774,203
: PRIOR FILING DATE: 2001-01-29
: NUMBER OF SEQ ID NOS: 49117
: SOFTWARE: Annonmax Sequence Listing Engine vers. 1.1
: SEQ ID NO 12956
: LENGTH: 569
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: OTHER INFORMATION: MAP TO AC015452.4
: OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.1
: OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL
: OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL
: OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL
: OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.
US-09-864-761-12956

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Query Match	4.1%	Score 41.4;	DB 10;	Length 569;
Best Local Similarity	49.8%;	Pred. No. 0.0045;		
Matches 105; Conservative	0;	Mismatches 106;	Indels	0; Gaps
QY 118 GTTCAACTCTGAATGTGAAGATGGAATGAAGACCGACGAGAGTTCACACTGAGTCAACCT 177				
Db 358 GTTGAGACTGAAGCTGAGGAGCCCCCAACTGTTCACAGCAACCCCTCCACACAGCC 417				
QY 178 CATACACTGGGGTCAGATCAAGAAAACACACACAGAACTGAGAAATCTGGTGTAGTGCCA 237				
Db 418 ACCCACTTGGGGACAGATCAAGAGAGCTGTCCACAGTGGCAGAAGAAAAATCTGAGGAAAGC 477				
QY 238 GGGTCAGGCAAAAACCCCTGACTCCATCTTTTATGSCCATGCTAGCTTAATATCTCTGTGC 297				
Db 478 AGGACACCACTCACACAAGTAATTTAATCATAGCTATGATAGCAGTTATCACCACCTGC 537				
QY 298 AGTAGATTTTCTGTGCAGAAAGCAAAAACA 328				
Db 538 CATGAGTATTCCTTCAACAAGGGCTGAAACA 568				

RESULT 15

US-09-864-761-10401/c

US-09-864-761-10401/c

Sequence 10401, Application US/09864761

Patent No. US20020048763A1

GENERAL INFORMATION:

APPLICANT: Penn, Sharron G.

APPLICANT: Rank, David R.

APPLICANT: Hanzel, David K.

APPLICANT: Chen, Wensheng

TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR

TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY

FILE REFERENCE: Aemica-X-1

CURRENT APPLICATION NUMBER: US/09/864,761

CURRENT FILING DATE: 2001-05-23

PRIOR APPLICATION NUMBER: US 60/180,312

PRIOR FILING DATE: 2000-02-04

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: US 09/632,366

PRIOR FILING DATE: 2000-08-03

PRIOR APPLICATION NUMBER: GB 24263.6

PRIOR FILING DATE: 2000-10-04

PRIOR APPLICATION NUMBER: US 60/236,359

PRIOR FILING DATE: 2000-09-27

PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00667

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00664

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00669

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00665

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> PRIOR FILING DATE: 2001-01-30
> PRIOR APPLICATION NUMBER: PCT/US01/006658
> PRIOR FILING DATE: 2001-01-30
> PRIOR APPLICATION NUMBER: PCT/US01/006663
> PRIOR FILING DATE: 2001-01-30
> PRIOR APPLICATION NUMBER: PCT/US01/006662
> PRIOR FILING DATE: 2001-01-30
> PRIOR APPLICATION NUMBER: PCT/US01/006661
> PRIOR FILING DATE: 2001-01-30
> PRIOR APPLICATION NUMBER: PCT/US01/00670
> PRIOR FILING DATE: 2001-01-30
> PRIOR APPLICATION NUMBER: US 60/234,687
> PRIOR FILING DATE: 2000-09-21
> PRIOR APPLICATION NUMBER: US 09/608,408
> PRIOR FILING DATE: 2000-06-30
> PRIOR APPLICATION NUMBER: US 09/774,203
> PRIOR FILING DATE: 2001-01-29
> NUMBER OF SEQ ID NOS: 49117
> SOFTWARE: Annonmax Sequence Listing Engine vers. 1.1
> SEQ ID NO 10401
> LENGTH: 391
> TYPE: DNA
> ORGANISM: Homo sapiens
> FEATURE:
>
> OTHER INFORMATION: MAP TO AC010778.2
> OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1
> OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.3
> OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.6
> OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1.4
> OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.3
> OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.2
> OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1
> OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.6
> OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 1.4
> US-09-864-761-10401

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Query Match	3.7%	Score 37;	DB 10;	Length 391;
Best Local Similarity	48.4%	Pred. No. 0.088;		
Matches 103;	Conservative	0;	Mismatches 110;	Indels 0;
Gaps	0;			

[illegible]

Search completed: December 25, 2002, 01:52:19
Job time : 164.357 secs

QY 121 GTTCCGTTTCAAAAGAAAAAATAATATTATAAAACAAATAAA 164
 |||||
 Db 71375 ACTCCGTTTCAAAACAAAAACAAAACAAAACCTGGAAAAA 71418

RESULT 13

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US-09-795-686-1
; Sequence 1, Application US/09795686
; Patent No. US20020094954A1
; GENERAL INFORMATION:
;
; APPLICANT: Stefansson, Hreinn
; APPLICANT: Steinthorsdottir, Valgerdur
; APPLICANT: Gulcher, Jeffrey R.
; TITLE OF INVENTION: HUMAN SCHIZOPHRENIA GENE
; FILE REFERENCE: 2345.2005-001
; CURRENT APPLICATION NUMBER: US/09795,686
; CURRENT FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: US 09/515,715
; PRIOR FILING DATE: 2000-02-28
; NUMBER OF SEQ ID NOS: 1531
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1

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; LENGTH: 1503841

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; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: r-g or a
; NAME/KEY: misc_feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: y-t/u or c
; NAME/KEY: misc_feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: m-a or c
; NAME/KEY: misc_feature
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; OTHER INFORMATION: k-g or t/u
; NAME/KEY: misc_feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: s-g or c
; NAME/KEY: misc_feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: w-a or t/u
; NAME/KEY: misc_feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: b-g or c or t/u
; NAME/KEY: misc_feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: d-a or g or t/u
; NAME/KEY: misc_feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: h-a or c or t/u
; NAME/KEY: misc_feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: v-a or g or c
; NAME/KEY: misc_feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: n-a or g or c or t/u
; OTHER INFORMATION: -909-7955-686-1

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Query Match	Score	DB	Length
Best Local Similarity	11.1%	11.2	1503841
Matches	79.9%	Pred. No. 4.3e-19;	
Matches 131: Conservative	0:	Mismatches 33:	Indels 0: Gaps 0:

Qy 1 TGGACGCGCCTGTAGTCCAGCTACTCAGGAGACTGAGGCAGGAGAATCGTTGAACC 60
 ||||| - ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Dp 71355 TGGCGTGTCCTGTAGTCCCAGCTACTTTGGGAGGCTGAACGAGGCAGCTCGTTGACCT 71314

[illegible]

Qy 121 GTTCCGTTTCAAAAGAAAAAATAATATTAATAAAAAAGAAATAAA 164
|||||
Db 71375 ACTCGTTTCAAAACAAAAACAAAAACAAACCTTGGAATAA 71418

RESULT 14

US-09-880-107-2362
; Sequence 2362, Application US/09880107
; Patent No. US20020142981A1
; GENERAL INFORMATION:
; APPLICANT: Horne, Darci T.
; APPLICANT: Vockley, Joseph G.
; APPLICANT: Scherf, Uwe
; APPLICANT: Gene Logic, Inc.
; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
; FILE REFERENCE: 44921-5028-WO
; CURRENT APPLICATION NUMBER: US/09/880,107
; CURRENT FILING DATE: 2001-06-14
; PRIOR APPLICATION NUMBER: US 60/211,379
; PRIOR FILING DATE: 2000-06-14
; PRIOR APPLICATION NUMBER: US 60/237,054
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 3950
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2362
; LENGTH: 15849
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20020142981A1 M58600
US-09-880-107-2362

Query Match 11.0%; Score 110.6; DB 10; Length 15849;
Best Local Similarity 79.4%; Pred. No. 5.4e-20;
Matches 131; Conservative 0; Mismatches 34; Indels 0; Gaps 0;
Qy 1 TGGCAGCGCGCTGTAGTCCAGCTACTCAGGAGACTGAGCGAGGAGAAATCGCTTGAACCC 60
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Db 2277 TGGCAGCGCGCTGTATCCAGCTACTCAGGAGCTGAGCGAGGAGAAATCGCTTGAACCC 2336
Qy 61 GGGAGACGGAGTTGTCAGTGCAGCCCAAGATCGCTGCTACTGCACTCCAGCTCGCGACAGAC 120
|||||
Db 2337 GGGAGCAGAGTTGTCAGTGCAGCGGAGATCGTCCACTGCACTCCAGCTCGCAACAACA 2396
Qy 121 GTTCCGTTTCAAAAGAAAAAATAATATTAATAAAAAAGAAATAAA 165
|||||
Db 2397 GTTAGACTCCGTCAAAAAAATAATATTAATAAAAAAGAAATAAA 2441

RESULT 15

US-09-764-877-3433/C
; Sequence 3433, Application US/09764877
; Patent No. US20020147140A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC005
; CURRENT APPLICATION NUMBER: US/09/764,877
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 4031
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3433
; LENGTH: 32154
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-877-3433

Query Match 11.0%; Score 110.6; DB 10; Length 32154;
Best Local Similarity 79.4%; Pred. No. 7.9e-20;
Matches 131; Conservative 0; Mismatches 34; Indels 0; Gaps 0;

Qy 1 TGGCAGCGCGCTGTAGTCCAGCTACTCAGGAGACTGAGCGAGGAGAAATCGCTTGAACCC 60
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Db 23724 TGGCATACGGCTGTACTCCAGCTACTCGGAGACTGAGCGAGGAGAAATCGCTTGAACCC 23665
Qy 61 GGGAGACGGAGTTGTCAGTGCAGCCCAAGATCGCTGCTACTGCACTCCAGCTCGCGACAGAC 120
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Db 23664 GGGAGGTGGAGGTTGCAATGAGCCGAGACCCGCCACTGCACTCCAGCTGAGACAGAG 23605
Qy 121 GTTCCGTTTCAAAAGAAAAAATAATATTAATAAAAAAGAAATAAA 165
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Db 23604 CAAGACTCCGTCTCCAAAAAATAATATTAATAAAAAAGAAATAAA 23560

Search completed: December 25, 2002, 02:14:41
Job time : 1374.36 secs